

$$\begin{aligned} \text{Lilitan} &= 2\pi j \\ &= \pi d \end{aligned}$$

$$\text{Luas bulatan} = \pi j^2$$

MATEMATIK BAB 5: BULATAN (Buku teks m.s. 86-92)

5.3 Lilitan dan Luas Bulatan

A. Cari luas bulatan apabila lilitan bulatan diberikan. ($\pi = \frac{22}{7}$)

Contoh:

$$\text{Lilitan} = 52.8 \text{ cm}$$

$$\text{Lilitan} = 2\pi j$$

$$\text{Jejari, } j = \frac{\text{Lilitan}}{2\pi}$$

$$= \frac{52.8}{2 \times \frac{22}{7}}$$

$$j = 8.4 \text{ cm}$$

$$\text{Luas bulatan} = \pi j^2$$

$$= \frac{22}{7} \times 8.4^2$$

$$= 221.76 \text{ cm}^2$$

$$\text{Lilitan} = 188.52 \text{ cm}$$

$$\text{Jejari, } j = \frac{\text{Lilitan}}{2\pi}$$

$$j = \frac{188.52}{2 \times \frac{22}{7}}$$

$$j = \boxed{}$$

$$\text{Luas bulatan} = \pi j^2$$

$$= \frac{22}{7} \times ^2$$

$$= \boxed{} \text{ cm}^2$$

$$\text{Lilitan} = 132 \text{ cm}$$

$$\text{Jejari, } j = \frac{\text{Lilitan}}{2\pi}$$

$$j = \frac{132}{2 \times \frac{22}{7}}$$

$$j = \boxed{}$$

$$\text{Luas bulatan} = \pi j^2$$

$$= \frac{22}{7} \times ^2$$

$$= \boxed{} \text{ cm}^2$$